

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/002476

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7 H04B 1/036**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H05K 7/20

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
search terms : thermo-electric cooling, heat pipe, heat sink, fan

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 20030039096 A1 27 Feb. 2003 (Uniwil Computer Corp.) claims 1-3	1
Y	US 6356445 B1 12 Mar. 2002 (Hon Hai Precision Ind. Co.) claims 1, 7, 8	1
A	US 20020167799 A1 14 Nov. 2002 (IBM Corp.) claims 1-6	1
A	US 6122169 A1 19 Sep. 2000 (Foxconn Precision Components Co.) claims 1, 19, 20	1
A	US 5986882 A1 16 Nov. 1999 (Compaq Computer Corp.) claims 1, 9	1

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:  
 "A" document defining the general state of the art which is not considered to be of particular relevance  
 "E" earlier application or patent but published on or after the international filing date  
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)  
 "O" document referring to an oral disclosure, use, exhibition or other means  
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
 "&" document member of the same patent family

Date of the actual completion of the international search  
17 DECEMBER 2004 (17.12.2004)

Date of mailing of the international search report

**17 DECEMBER 2004 (17.12.2004)**

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/KR2004/002476

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 20030039096 A1	27 Feb. 2003	DE 10200667 A1	20 Mar. 2003
US 6356445 B1	12 Mar. 2002	JP 2001-110967 A	20 Apr. 2001
US 20020167799 A1	14 Nov. 2002	JP 2002-299872 A	11 Oct. 2002
US 6122169 A1	19 Sep. 2000	TW 448711 B	1 Aug. 2001
US 5986882 A1	16 Nov. 1999	None	